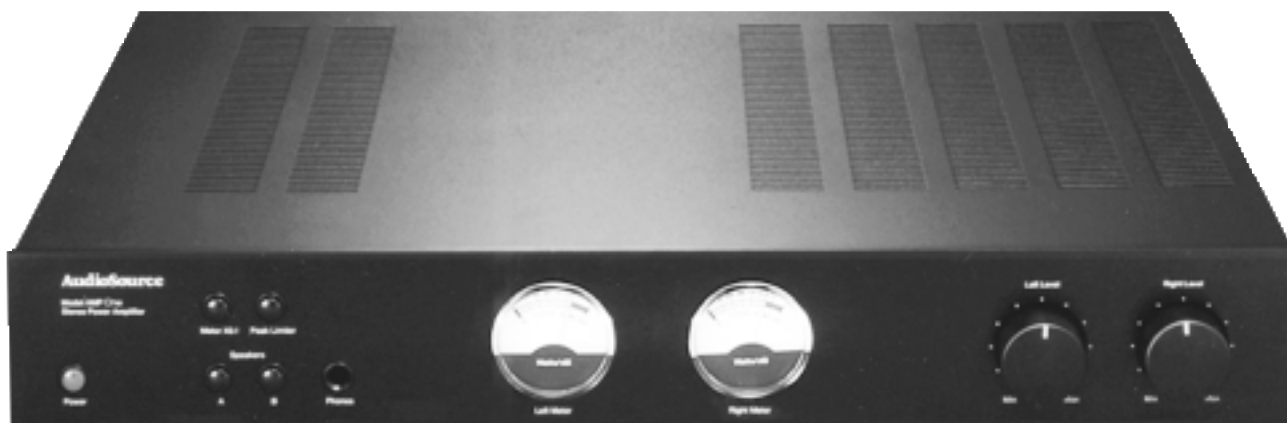


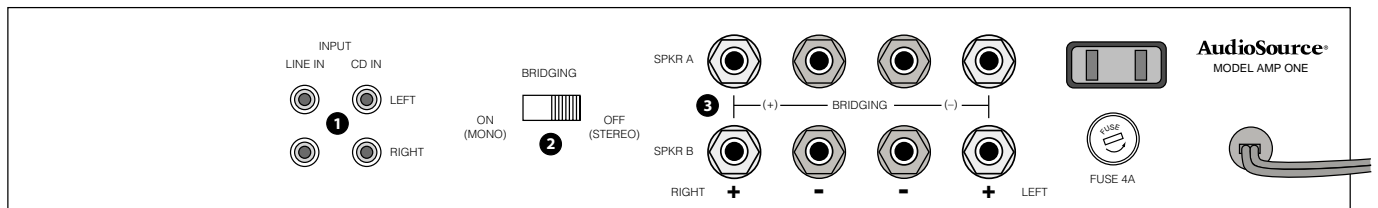
# AMP One

## Stereo Power Amplifier with Internal Bridging



Congratulations on your purchase. We trust that you will enjoy the value and quality of your AudioSource AMP One for many years to come. To ensure that you get the best performance from this unit, please take a few moments to read this manual. Also, be sure to retain this document for reference.

*Note: If any part of this product is damaged or missing, do not contact your AudioSource dealer. Please call us directly at 800-435-7115.*



## Using the Controls (Front Panel)

### Power

This front panel button switches the AMP One on or off. A multicolored LED indicates its power status.

### Speaker Selector

The AMP One has two pairs of speaker outputs. Press button A to activate the A outputs. Press button B to activate the B outputs. Both A and B outputs may be used simultaneously, provided the combined impedance does not fall below 2 ohms.

*Note: Before pressing either of the speaker selector buttons, be sure the AMP One's level controls are set at the minimum position.*

### Phones

You can connect headphones to the AMP One using a standard  $\frac{1}{4}$ " stereo phone jack. To deactivate the speakers while you listen through headphones, simply turn off the A and B speaker selector buttons.

### Meter X0.1

This switch increases the sensitivity of the meters by a factor of ten, which is useful for monitoring the AMP One's output at low volume. In other words, the meters will display ten times the actual power output when this feature is active. A red LED in this switch indicates activation.

### Peak Limiter

The peak limiter modulates high frequencies at high volume, protecting your speakers from damage or distortion. A red LED also indicates activation of this feature.

### Power Meters

These meters indicate the output level of your AMP One. When the AMP One is powered up, the meters will be softly lit, indicating standby mode. Once the unit's power supply is stabilized, its meters will brighten completely.

### Input Level Controls

These knobs adjust the incoming signal level and thereby act as volume controls. We recommend that these be set to *max* and your signal source (receiver, CD player, preamplifier, etc.) be used to adjust the volume.

## Hooking up the Wires (Back Panel)

Audio signals travel out of one component and into another. All of your connections should also go from *out* to *in*.

### Input Jacks ❶

Connect the *line out* jacks from your signal source (receiver, CD player, preamplifier, etc.) to the *input* jacks on the AMP One.

*Note: "Line In" and "CD In" jacks cannot be used simultaneously.*

### Bridging Switch (refer to wiring diagram) ❷

In addition to providing 80 watts RMS per channel in the stereo mode, your AMP One can be used as a high power mono amplifier, providing over 200 watts RMS. This can be accomplished by sliding the *bridging* switch from the *stereo* position to the *mono* position. For mono applications, use only the right channel input. Similarly, use only the right channel input level control.

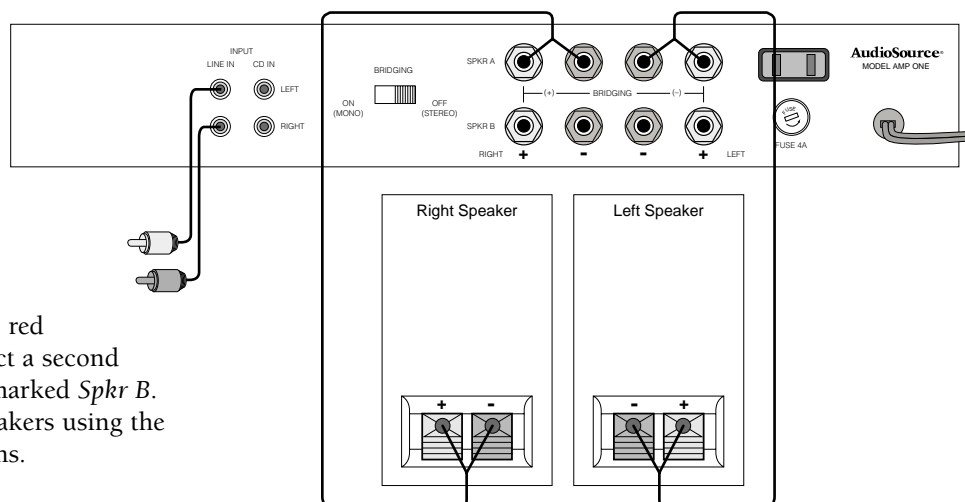
*Note: Be sure to observe the correct speaker connections for bridged applications. Because of the high power output in this mode, we recommend initially setting the right level control at "min", and then adjusting the volume to the desired level.*

### Speaker Terminals ❸

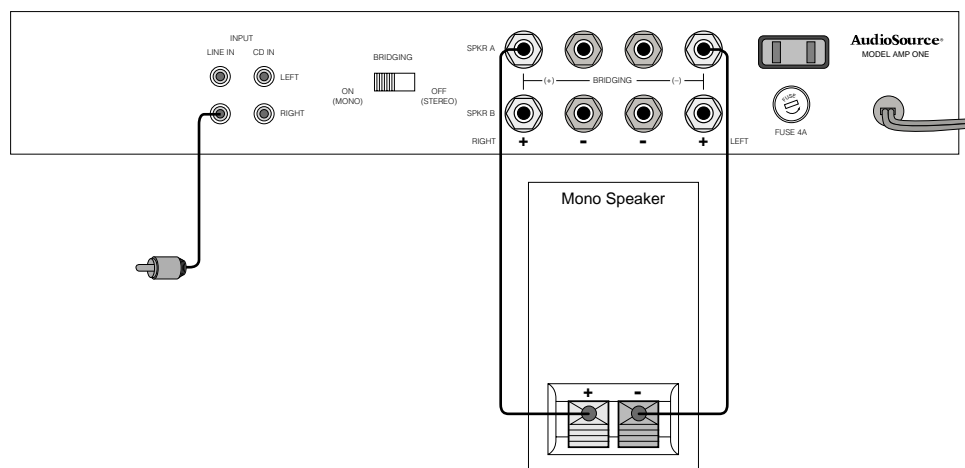
More than one pair of speakers can be used with the AMP One. We have provided two pairs of speaker outputs, labeled *Spkr A* (left & right), and *Spkr B* (left & right). The speaker terminals are color coded. Red posts indicate positive (+) terminals and black posts indicate negative (–) terminals. Be sure to connect the positive output terminals of your AMP One to the positive input terminals of your speakers and the negative output terminals of your AMP One to the negative input terminals of your speakers.

*Note: Refer to the wiring diagrams on the next page for proper connection of speaker cables.*

In this configuration, the *bridging* switch is off for stereo operation. Connect the *line out* jacks from a stereo preamplifier to the *line in* jacks of your AMP One. Next, connect your speakers to the terminals marked *Spkr A* (observing proper polarity: red for "+", and black for "-"). Connect a second pair of speakers to the terminals marked *Spkr B*. Select between the *A* and/or *B* speakers using the front panel speaker selector buttons.



In this configuration, the *bridging* switch is on. Connect the *line out* from a preamplifier to the *right line in* of your AMP One. Connect your mono speaker to the terminals of your AMP One, following the example in the diagram opposite. Use the *right level* control on the front panel to adjust the volume.



Amplifier Power Output	.80 watts per channel 200 watts monobridged
Total Harmonic Distortion	<.04%
Intermodulation Distortion	<.04%
Frequency Response	.20 Hz to 20 kHz, $\pm 0.5$ dB
Signal to Noise Ratio	110 dB
Input Sensitivity	.08 V (line), 1.3 V (CD)
Input Impedance	30K $\Omega$ (line), 50K $\Omega$ (CD)

Headroom	.....	2dB
Functions	..... Peak Limiting Circuitry (defeatable) Mono Bridging (rear panel)	
Inputs	.....	Line (RCA, CD) In
Outputs	.....	Line Out/Thru (RCA), Speaker A (left, right), Speaker B (left, right), Headphone (¼" stereo jack)
Dimensions	.....	16½"W x 2⅞"H x 11⅝"D
Weight	.....	14lbs., 5oz.

*Design and specifications are subject to change without notice.*

**Enjoy your purchase. This manual provides detailed diagrams and instructions for setting up your equipment. Our commitment to your satisfaction doesn't end there. We also offer friendly, toll-free assistance.**

**1-800-HELP-115**

**You may also fax us at 650-348-8083.**

# Safety Instructions



**Warning:** To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

**Caution:** To reduce the risk of electric shock, do not remove cover (or back); no user serviceable parts inside. Refer servicing to qualified service personnel.

**Caution:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

**Attention:** Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

*The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.*

## Read Instructions

All the safety and operating instructions should be read before the appliance is operated.

## Retain Instructions

The safety and operating instructions should be adhered to.

## Heed Warnings

All warnings on the appliance and in the operating instructions should be adhered to.

## Follow Instructions

All operating and use instructions should be followed.

## Water and Moisture

The appliance should not be used near water. For example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

## Ventilation

The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in situation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

## Heat

The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

## Power Sources

The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

## Grounding or Polarization

Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

## Power Cord Protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

## Cleaning

The appliance should be cleaned only as recommended by the manufacturer.

## Power Lines

An outdoor antenna should be located away from power lines.

## Non-Use Periods

The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

## Object and Liquid Entry

Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

## Damage Requiring Service

The appliance should be serviced by qualified service personnel when: a) The power supply cord or the plug has been damaged; b) Objects have fallen, or liquid has been spilled into the appliance; c) The appliance has been exposed to rain; d) The appliance does not appear to operate normally or exhibits a marked change in performance; or e) The appliance has been dropped, or the enclosure damaged.

## Servicing

The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

## Product Servicing

In the event that your AMP One fails to operate properly, please contact the dealer where you purchased the unit. Or you may contact AudioSource directly for further assistance.



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